

### **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

Please cancel all claims and replace by the following claims.

1-57 (CANCELLED)

58. (New) A phosphatidylserine (PS) composition of matter comprising an edible oil base and from about 1 to about 99% (w/w) PS, wherein said PS is in the form of its salt with a divalent ion that is dispersed in said edible oil base, and that is insoluble in said oil base, said composition exhibiting a stability of less than about 5% decomposition of the PS after a storage period of at least 6 months.

59. (New) The phosphatidylserine (PS) composition of matter of claim 58, wherein said PS in the form of its salt with a divalent ion is obtained from non-solubilized lecithin in a substantially aqueous system.

60. (New) The phosphatidylserine (PS) composition of matter of claim 59, wherein said PS is obtained from lecithin dispersed in a substantially aqueous system.

61. (New) The phosphatidylserine (PS) composition of matter of claim 58, comprising from about 1 to about 45% (w/w) PS, in the form of its salt with a divalent ion.

62. (New) The composition of matter of claim 58, comprising as additional ingredients from about 1 to about 99% (w/w) phosphatidylcholine (PC), from about 1 to about 99% (w/w) phosphatidylethanolamine (PE), from about 1 to about 99% (w/w) phosphatidylinositol (PI), from about 1 to about 99% (w/w) polyunsaturated fatty acids, and/or from about 1 to about 99% (w/w) sterol or sterol esters.

63. (New) The phosphatidylserine composition of matter of claim 58, wherein said PS divalent salt is in powder form.
64. (New) The phosphatidylserine composition of matter of claim 58, wherein said salt is one of calcium PS salt and magnesium PS salt.
65. (New) The phosphatidylserine composition of matter of claim 58, wherein said edible oil base is an edible triglyceride base.
66. (New) The phosphatidylserine composition of matter of claim 58, for use as a dietary supplement, nutraceutical food and/or drug additive.
67. (New) A food article comprising the phosphatidylserine composition of matter of claim 58 or claim 59.
68. (New) A pharmaceutical composition comprising the phosphatidylserine composition of matter of claim 58 or claim 59.
69. (New) The combination of a capsule and the phosphatidylserine composition of matter of claim 58 or claim 59 contained in said capsule.
70. (New) A method of enhancing cognitive performance and learning ability in a subject, the method comprising administering to said subject an effective amount of the PS composition of matter of claim 58.
71. (New) A method of improving age-related memory loss in a subject, comprising administering to said subject an effective amount of the phosphatidylserine composition of matter of claim 58.
72. (New) The phosphatidylserine composition of matter of claim 65, wherein said triglyceride base is a medium-chain triglyceride oil.
73. (New) The combination of claim 69, wherein said capsule is a soft gel capsule.

74. (New) The food article of claim 67, wherein said phosphatidylserine composition of matter further includes as additional ingredients from about 1 to about 99% (w/w) phosphatidylcholine (PC), from about 1 to about 99% (w/w) phosphatidylethanolamine (PE), from about 1 to about 99% (w/w) phosphatidylinositol (PI), from about 1 to about 99% (w/w) polyunsaturated fatty acids, and/or from about 1 to about 99% (w/w) sterol or sterol esters, and at least one additional active ingredient selected from the group consisting of lecithin, phospholipids, vitamins, anti-oxidants, minerals, sterol, nutritional carbohydrates, amino acids and poly-unsaturated fatty acids, the total amount of said additional ingredients being 1-99% (w/w).

75. (New) The pharmaceutical composition of claim 68, wherein said phosphatidylserine composition of matter further includes as additional ingredients from about 1 to about 99% (w/w) phosphatidylcholine (PC), from about 1 to about 99% (w/w) phosphatidylethanolamine (PE), from about 1 to about 99% (w/w) phosphatidylinositol (PI), from about 1 to about 99% (w/w) polyunsaturated fatty acids, and/or from about 1 to about 99% (w/w) sterol or sterol esters, and at least one additional biofunctional ingredient selected from the group consisting of lecithin, phospholipids, vitamins, anti-oxidants, minerals, sterols, nutritional carbohydrates, amino acids and poly-unsaturated fatty acids and/or at least one pharmaceutically acceptable additive, diluent, carrier or excipient, the total amount of said additional ingredients being 1-99% (w/w).

76. (New) The combination of claim 69, wherein said phosphatidylserine composition of matter further includes as additional ingredients from about 1 to about 99% (w/w) phosphatidylcholine (PC), from about 1 to about 99% (w/w) phosphatidylethanolamine (PE), from about 1 to about 99% (w/w) phosphatidylinositol (PI), from about 1 to about 99% (w/w) polyunsaturated fatty acids, and/or from about 1 to about 99% (w/w) sterol or sterol esters, and at least one additional biofunctional ingredient selected from the group consisting of lecithin, phospholipids, vitamins, anti-oxidants, minerals, sterols, nutritional carbohydrates, amino acids and poly-unsaturated fatty acids and/or at least one pharmaceutically

acceptable additive, diluent, carrier or excipient, the total amount of said additional ingredients being 1-99% (w/w).